

Canadian Electromechanical Fiber Optic Sensor Manufacturer



Summary of Content

Canada hosts several leading manufacturers of fiber optic sensors, including FISO, Opsens, TeraXion, Micronor, ITF Technologies, and Evanescent Optics Inc., serving medical, industrial, and research applications.

Key Manufacturers

FISO is a prominent developer and manufacturer of fiber optic sensors and signal conditioners, with applications spanning medical, energy, process control, and R&D sectors . Opsens specializes in fiber optic sensors for interventional cardiology (Fractional Flow Reserve, FFR), oil and gas, and industrial applications, providing high-precision measurement solutions . TeraXion focuses on photonic components for optical sensing systems, including DFB semiconductor lasers and fiber Bragg gratings, suitable for coherent LiDAR, industrial sensing, and autonomous driving technologies . Micronor Sensors Inc. combines fiber optics, electronics, and mechanical engineering to produce sensors for temperature, strain, and position measurements, particularly in hostile environments such as nuclear research, medical MRI, and mining . ITF Technologies offers components and modules for building high-power fiber lasers and fiber Bragg grating (FBG) sensors, supporting industrial and other sensing applications . Evanescent Optics Inc. continues the legacy of Canadian Instrumentation & Research Ltd., producing fiber optic components and interferometric sensors, including polarization-maintaining and polarization-preserving devices, along with custom mechanical and electronic control systems .

Applications and Capabilities

Article Content

optical-fiber-sensor Companies and Suppliers in Canada | ...

PreSens is developing, manufacturing and distributing optical-chemical sensors and scientific instruments for the measurement of

Opsens, Canada, Measurement & Analysis Instruments

Opsens, a leading manufacturer of fiber optic sensors, introduces the latest advancement in fiber optic sensor technology with its

Top 100 Optical Sensor Manufacturers in Canada (2026) | ensun

Discover all relevant Optical Sensor Manufacturers in Canada, including Teledyne Dalsa and TeraXion

Fiber Optic Sensors – Mouser Canada

Mouser offers inventory, pricing, & datasheets for Fiber Optic Sensors.

Products

Innovation and a deep technical fiber optics know-how allows Micronor to tackle challenging tasks for temperature, strain, position

ITF Technologies

ITF Sensor offers all components and technology needed to build reliable FBG Sensors for industrial and other sensing applications.

Home | OZ Optics Ltd.

Located in Canada's capital city of Ottawa and established in 1985, OZ Optics Limited is a leading worldwide supplier of fiber optic

Opcon Inc. | Fibre Optic Specialists — Safety in Sensing

Opcon seamlessly integrates telecom infrastructure with advanced fibre optic sensing — giving you a single, trusted partner for every

Fibre Optic Sensors | KEYENCE Canada

KEYENCE Canada provides Fibre Optic Sensors; Perform high-performance, high-speed detection with optical fibres designed to be

Contact Us

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